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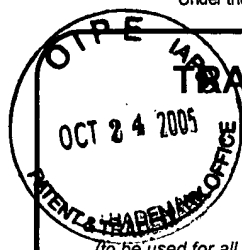
PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/767,483
	Filing Date	January 28, 2004
	First Named Inventor	Vaidyanathan
	Art Unit	3753
	Examiner Name	Unassigned
Total Number of Pages in This Submission	Attorney Docket Number	03248.00093

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Form PTO/SB/08a 10 References Express Mail Certificate
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Firm	Banner & Witcoff, LTD.		
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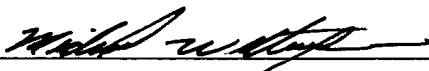
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Attorney Docket No. 003248.00093

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By: _____

Vaidyanathan, et al., U.S. Patent Application No. 10/767,483 for "Microchannel Heat Exchangers and Methods of Manufacturing the Same"

- Transmittal Form
- Information Disclosure Statement (1 page)
- Form PTO/SB/08a (1 page)
- 10 References
- Return Receipt Postcard



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
Attorney Docket No. 003248.00093

In re U.S. Patent Application of Vaidyanathan,)
et al.)
)
Application No. 10/767,483) Examiner: Ngo
)
Filed: January 28, 2004) Art Unit: 2831
)
For: Microchannel Heat Exchangers and)
Methods of Manufacturing the Same)

INFORMATION DISCLOSURE STATEMENT

MS: Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

Pursuant to 37 CFR §§1.97-1.98, applicants wish to make the attached references of record in the above-identified application. The references are also listed on the enclosed and completed Form PTO/SB/08a. Copies of the references are enclosed.

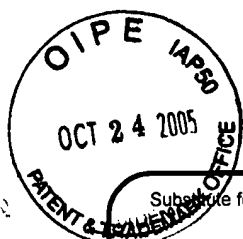
This Information Disclosure Statement is filed under 37 CFR §1.97(b) within three months of this application's filing date and/or before the mailing of a first Office Action on the merits. Applicants believe no fees are due in connection with the filing of this Information Disclosure Statement. However, the Commissioner is hereby authorized to charge any fees or credit any overpayment associated with this paper to Deposit Account No. 19-0733.

Date: October 24, 2005

Respectfully submitted,

By: Rebecca P. Rokos

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

Application Number	10/767,483
Filing Date	January 28, 2004
First Named Inventor	Vaidyanathan
Art Unit	3753
Examiner Name	Unassigned
Attorney Docket Number	003248.00093

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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FOREIGN PATENT DOCUMENTS

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NON PATENT LITERATURE DOCUMENTS

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		C. Bower, A. Ortega, P. Skandakumaran, R. Vaidyanathan and T. Phillips, "Heat Transfer in Water-Cooled Silicon Carbide Mill-channel Heat Sinks for High Power Electronic Applications", Proceedings of IMECE 2003, Washington, DC	
		F. Incropera, and D. Dewitt, "Fundamentals of Heat and Mass Transfer" 5 th ed., New York, Wiley, 2002, pp. 482-490.	
		R.J. Pieper and A.D. Kraus, "Performance Analysis of Double Stack Cold Plates Covering All Conditions of Assymetric Heat Loading", ASME Journal of Electronic Packaging. Vol. 20: 296-301, 1998.	
		R.J. Pieper and S. Michael, "Circuit Modeling to Predict the Performance of Force-Cooled Cold Plate Structures", Proceedings - IEEE International Symposium on Circuits and Systems, v 6, 1999, p VI-105-VI-108.	
		R.J. Phillips, 1990, "Micro-Channel Heat Sinks, in A. Bar-Cohen A.D. Kraus (Eds.)" Advances in Thermal Modeling of Electronic Components and Systems vol. 2, ASME New York Chapter 3. 1990	
		C.B. Sobhan and S.V. Garimella, "A Comparative Analysis of Studies and Heat Transfer and Fluid Flow in Micro-Channels", Microscale Thermophys. Eng. Vol. 15, pp. 293-311, 2001.	
		D.B. Tuckerman and R.F.W. Pease, 1981, "High-Performance Heat Sinking for VLSI", IEEE Electron Dev. Lett. 2, pp. 126-129, May 1981.	
		K. Vafai and L. Zhu, 1999, "Analysis of two-layered micro-channel heat sink concept in electronic cooling", International Journal of Heat and Mass Transfer, 42, pp. 2287-2297.	
		R. Vaidyanathan, J. Walish, J.L. Lombardi, S. Kasichainula, P. Calvert, K.C Cooper, "The Extrusion Free Forming of Funlional Ceramic Prototypes", Journal of Metals, 52 (12), pp. 34-37 (2000).	
		X.J. Wei and Y. Joshi, "Stacked Microchannel Heat Sinks for Liquid Cooling of Microelectronic Components", Proceedings of ASME IMECE 2000, Florida.	

Examiner
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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